

Handheld Device 41

36 Processor
Storage
Clock
ETC

22 →

38 DISPLAY

40 Controls

41

28 PC

30 Cradle

26 Internet

24 Entertainment Devices

Commands (RF/IR/etc)

Sources

Satellite Receiver
Cable Receiver
TV Tuner
AM/FM Tuner
CD/DVD Player/Chgr
Digital Video Recorder
VCR
...

Speakers

TV Monitor

34 Global/Regional Entertainment Directories

Satellite Schedule
Cable Schedule
Over-the-Air TV Schedule
User Content Libraries (CD, DVD, etc.,)
...

32 SERVER SYSTEM

Communications (Async/Continuous)

SOFTWARE

(Handheld
PC
Server
...)

52 USER INTERFACES

Handheld/Desktop Setup Interfaces
Handheld/Desktop Content Interfaces
Button and other Screen Interfaces
Personalized Content Options
Handheld Control Codes
Content/Device Ctl Mapping Tables

54 DATABASES

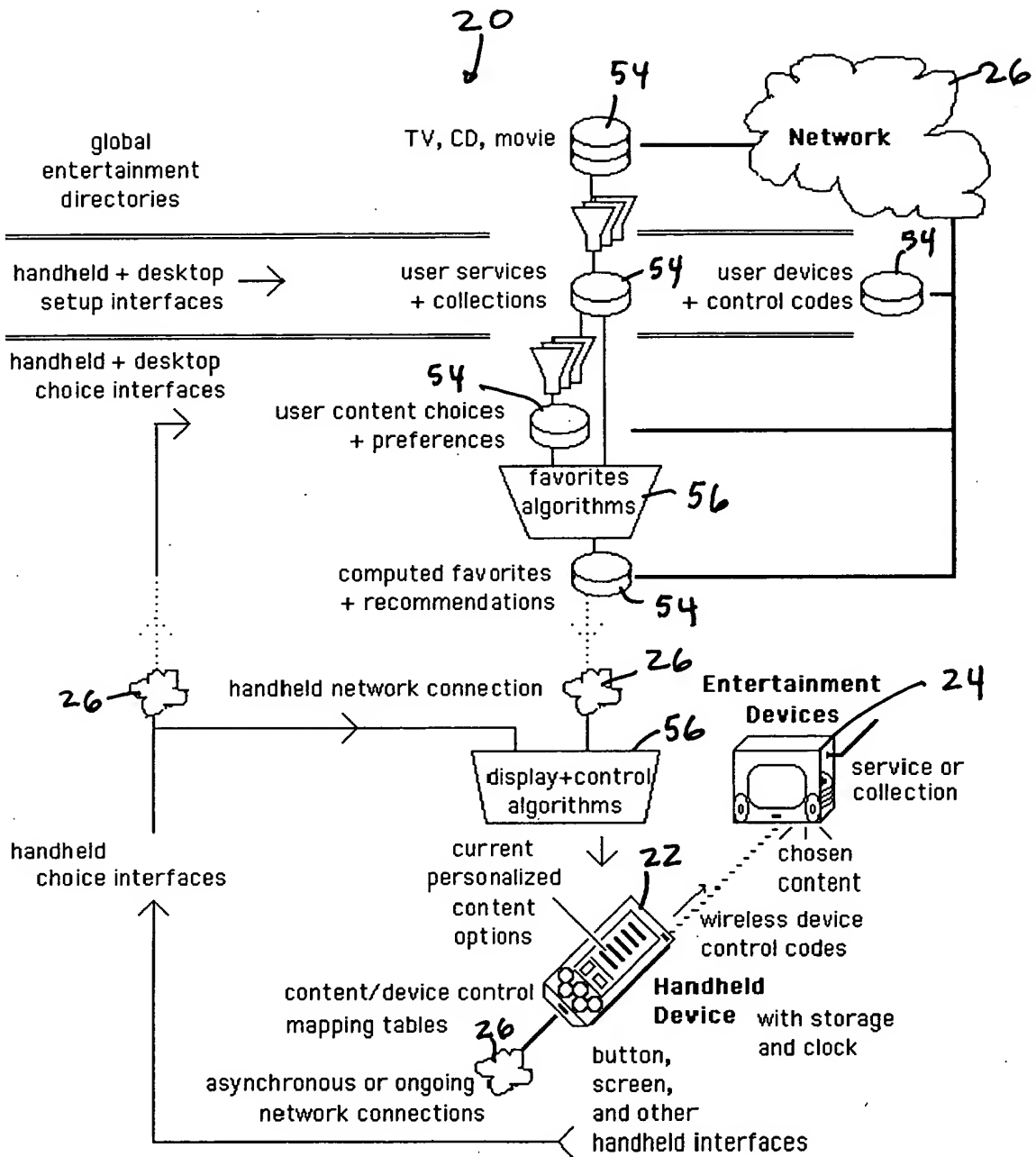
User Devices and Control Codes
User Services and Subscriptions
User Content Libraries
User Content Choices and Preferences
User Favorites and Recommendations
EPG Data
Related Content Information

56 APPLICATIONS/ALGORITHMS

Display and Control Algorithms
Handheld Setup Functionality
Handheld Directory Display Engine
Favorites/Recommendation Engine
Prioritization Algorithms
EPG Regionalization/Personalization
Internet Content Search Algorithms

FIG 1

10027113-120001



Dynamic Personalized Handheld Entertainment Directory

David A. Levitt
July 2000

FIGURE 1a

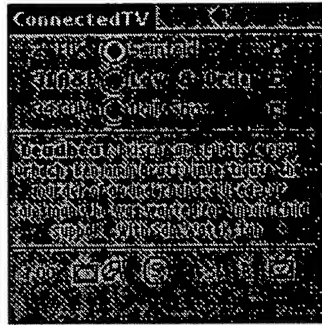


FIG 4A

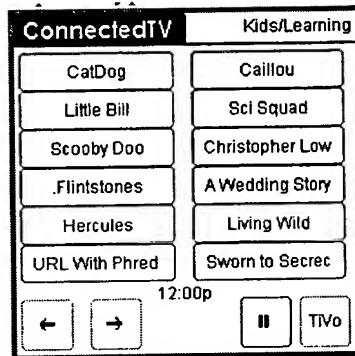


FIGURE 4B

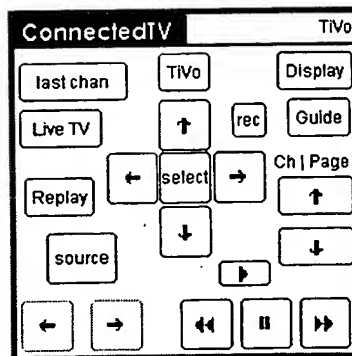
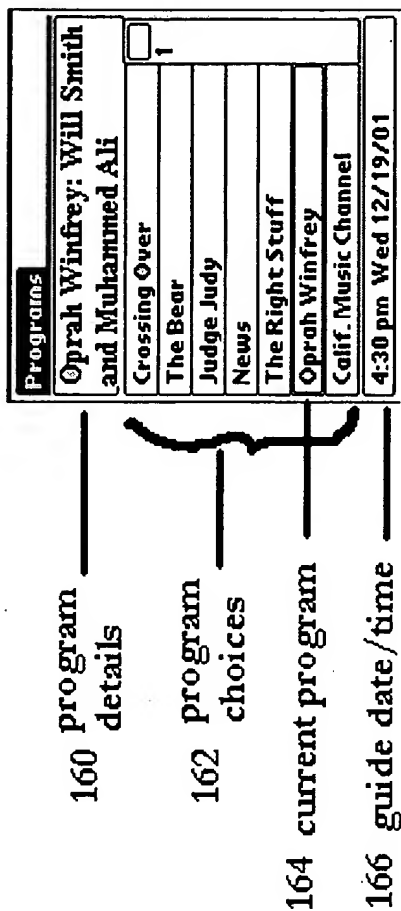
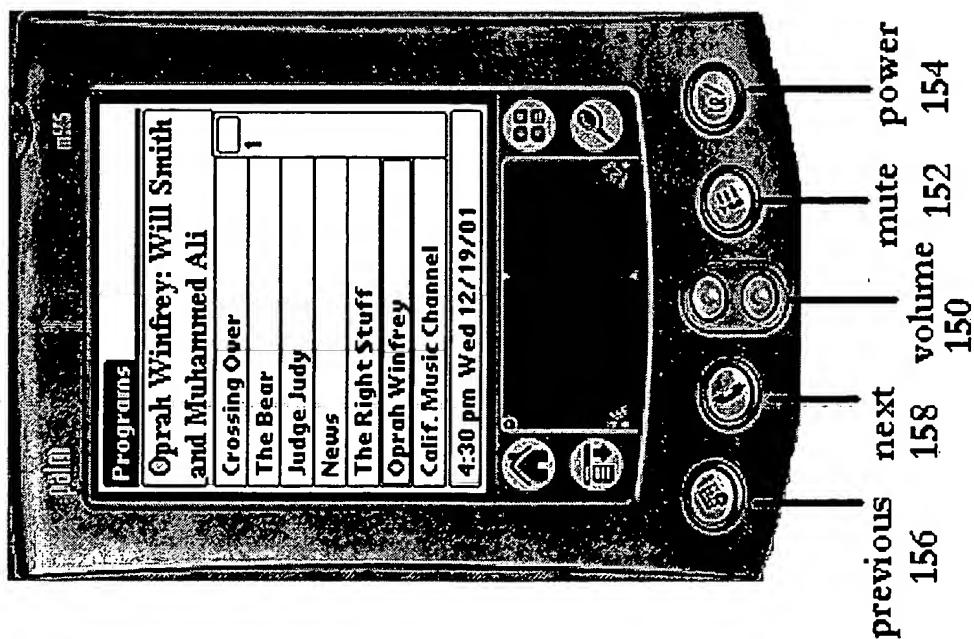


FIGURE 4C



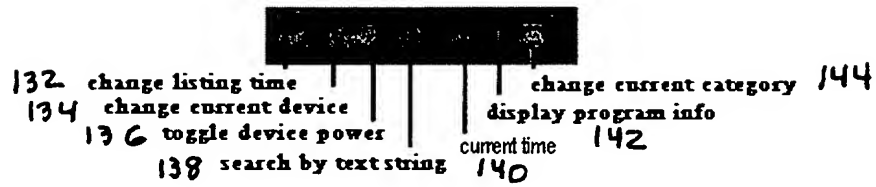


FIGURE 5

100211-10001

10037113-100001

Mom's House

- **Mom's TV**
- **Mom's Radio**
- a. **My House**
 - **TV**
 - Seinfeld
 - Law and Order
 - **CD jukebox**
 - The Beatles' "Abbey Road"
 - Sexy Sadie
 - The End
 - Her Majesty
 - ...
 - Beethoven's "Symphony #9"
 - First Movement
 - Second Movement
 - Scherzo
 - Fourth Movement
 - George Winston plays Vince Guaraldi
 - Linus and Lucy
 - ...
 - ...
 - **5-DVD player**
 - Austin Powers: International Man of Mystery
 - Flirting With Disaster
 - There's Something About Mary
 - Dr. Strangelove
 - <empty slot>
 - **DVR**
 - The Simpsons: Lisa the Vegetarian
 - The Sopranos: season 2, episode 12
 - ...
 - **Telephone**
 - Gail (707)555-1213
 - Mom (212)555-1111
 - ...
 - **RADIO**
 - KQED: Fresh Air
 - KCSM: The Jazz Oasis
 - ...
 - VCR
 - **Amplifier**
 - **Theater**
 - Stoppard's "The Real Thing" on Broadway tonight
 - Ayckbourne's "Absurd Person Singular" off Broadway

FIGURE 6

Levitt CDs	
1. The Levitt CD	1. The Levitt CD
2. The Levitt CD	2. The Levitt CD
3. The Levitt CD	3. The Levitt CD
4. The Levitt CD	4. The Levitt CD
5. The Levitt CD	5. The Levitt CD
6. The Levitt CD	6. The Levitt CD
7. The Levitt CD	7. The Levitt CD
8. The Levitt CD	8. The Levitt CD
9. The Levitt CD	9. The Levitt CD
10. The Levitt CD	10. The Levitt CD

FIGURE 7